

(54) SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE

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PURPOSE: To enable a semiconductor integrated circuit device to be miniaturized and improved in electrical properties by a method wherein two or more semiconductor chips are stacked up on a board.

CONSTITUTION: Semiconductor chips 1, 2, and 3 are stacked up on a thin Au film 10 on a board 4 and bonded, and the chips 1, 2, and 3 are connected to a wiring 6 provided onto the board 4 with bonding wires, and the chips are coated hard with resin 7 except a bonding part on the board. Then, the chip 2 is bonded with an adhesive agent 8; the chip 2 is connected to the wiring 6 provided onto the board 4 through bonding, and a process the same as above is repeated, whereby the chip 3 is connected to the wiring 6 on the board 4. Lastly, the whole body is covered with a resin 9.

